

RECEIVED PATENT

JUN 25 2003



Claims

TECHNOLOGY CENTER R3700

What is claimed is:

1. A method for manufacturing a rotatable cutting blade assembly, the method comprising the steps of:
 - 5 selecting a cutting blade holder made of a first material and having a plurality of cutting blade channels;
 - inserting a piece of a second material adaptable for use as a cutting blade in each said cutting blade channel; and
 - bonding each said piece of second material to said cutting blade holder.
- 10 2. The method of Claim 1 wherein said cutting blade holder is made of a material that is responsive to an inductive heating process.
3. The method of Claim 1 wherein said cutting blade holder is made of a material that has a co-efficient of thermal expansion less than 0.000007 inch/degree Fahrenheit.
- 15 4. The method of Claim 1 wherein said cutting blade holder is molded.
5. The method of Claim 1 further comprising sharpening said pieces of the second material to form cutting blades.
6. The method of Claim 1 where in said second material is harder than said first material.
- 20 7. The method of Claim 1 wherein said pieces of the second material are formed into cutting blades before inserting them into each said channel in said cutting blade holder.
8. The method of Claim 1 wherein the step of bonding further comprises the steps of:

brazing with a solder along substantially the entire length of said cutter blade channel, and

heating to a temperature that will bond said cutting blade holder, said piece of the second material, and said solder together.

5 9. A method for manufacturing a rotatable cutting blade assembly, the method comprising the steps of:

selecting a cutting blade holder made of a first material and having a cutting blade channel;

10 inserting a piece of a second material adaptable for use as a cutting blade in each said cutting blade channel; and

bonding said piece of the second material to said cutting blade holder.

10. The method of Claim 9 wherein said cutting blade holder is made of a material that is responsive to an inductive heating process.

11. The method of Claim 9 wherein said cutting blade holder is made of a 15 material that has a co-efficient of thermal expansion less than 0.000007 inch/degree Fahrenheit.

12. The method of Claim 9 wherein said cutting blade holder is molded.

13. The method of Claim 9 further comprising sharpening said pieces of the second material to form cutting blades.

20 14. The method of Claim 9 where in said second material is harder than said first material.

15. The method of Claim 9 wherein said pieces of the second material are formed into cutting blades before inserting them into each channel in said cutting blade holder.

25 16. The method of Claim 9 wherein the step of bonding further comprises the steps of:

brazing with a solder along substantially the entire length of said cutter blade channel, and
heating to a temperature that will bond said cutting blade holder, said piece of the second material, and said solder together.